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SOME NEW RECORDS ON THE ORTHOPTERA OF GREECE

by

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Abstract: *Misc.Pap.* 13:1-3,5 figs. 20.01.1992
Some new distributional records on the Greek Orthoptera and Phasmodea are given. *Duroniella fracta* Krauss is found to be new for Greece and Europe.

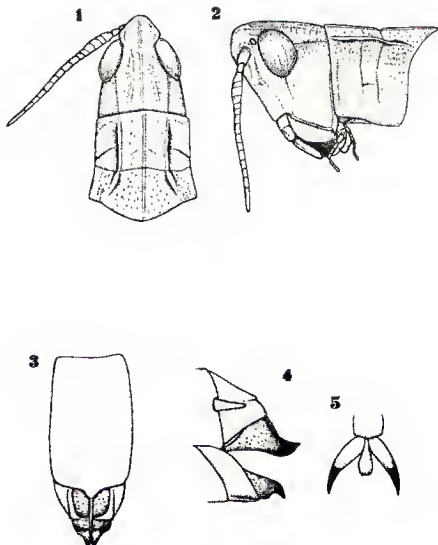
Thanks to the extensive surveys by Dr. Fer Willemse, the knowledge on the Greek fauna of Orthoptera has greatly improved. Nevertheless there is still a possibility of finding a new species to Greece or learn more of distribution of some others. Here I present several new distributional and faunistic records on the Orthoptera and Phasmodea.

I would like to thank Dr. A. Liana from the Institute of Zoology PAN, Warsaw for her help in determining some species. I am also indebted to Dr. A. Kaltenbach from Naturhistorisches Museum, Vienna for his help in identifying a doubtful specimen of *Rhacocleis*.

Parapholidoptera castaneoviridis (Brunner von Wattenwyl, 1882) - Makedhonia: Apollonia. Recorded by Ingrich & Pavicevic (1985) from Thraki (Nea Sanda and Essimi). This is the first record of this species from Makedhonia. Known also from Bulgaria, Anatolia (Harz, 1969) and European Turkey (Maskrecki, 1991).

Rhacocleis sp. - Makedhonia: Moustheni (Pangeon). The collected specimen (♂) resembles in the general habitus and shape of cercus *Rhacocleis anatolicus* Werner but its titillators agree rather with *Rhacocleis wernerii* Willemse. From the both species differs in having rounded, not pointed lobes on the hind margin of the last abdominal tergite. Apart from *Rhacocleis germanica* (Herrich - Schäffer) no other species of the genus has ever been recorded from Northern Greece.

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Figs.1-5: *Duriella fracta* Krauss ♀ (Makedhonia:Apollonia):
 1. head and pronotum from above (right antenna omitted), 2.
 head and pronotum from side, 3. subgenital plate and lower
 valves of ovipositor from below, 4.end of abdomen from side,
 5. arolium and claws of hind tarsus.

Duroniella fracta Krauss, 1890 - Makedhonia: Apollonia. Although I have collected only one female of this species, its identity seems to be certain (infumated wings, short and wide fastigium of vertex, mesosternal interspace slightly longer than wide); measurements: body length 32.0, pronotum 5.1, elytra 21.0, hind femur 15.0. I present some details of the specimen (figs. 1-5). The species has never been previously recorded from Greece and Europe. Its distribution covers Egypt, Libya and S.W. Asia (Dirsh, 1965). Peshev (1975) recorded *Duroniella laticornis* Krauss from Bulgaria (Rhodopes).

Bacillus rossius (Rossius, 1790) - Makedhonia: Stavros. Ingrich & Pavicevic (1985) recorded one nymph of *Bacillus* sp. from Makedhonia (Nea Karvali). I found this species numerous on the locality, mainly on *Rhododendron* sp. and various grasses. This is the first certain statement of this species in Northern Greece.

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Corrigenda:

In the previous paper of the author published in *Priamus* 5(4): the following words were typed erroneously. The corrections are made as follows:

On page 167, 49. *Acrida bicolor* (Thunberg, 1815) (?)
 for "...The identity of the great intraspecific variability in this genus"
 read "...The identity of the specimens in the collection is not certain due to the great intraspecific variability..."

On page 168,
 for "56. *Ailopus thalassinus* ..."
 read "56. *Aiolopus thalassinus* ...".
 for "57. *Ailopus strepens*..."
 read "57. *Aiolopus strepens*...". [Ed.].

FURTHER NOTES ON THE LEPIDOPTERA OF
BİLECİK PROVINCE (NW. TURKEY)

by

Ahmet Ömer Koçak

Abstract: *Misc.Pap.* 13: 4-8.

20.01.1992

In this paper, totally 38 diurnal species of Lepidoptera recorded in the Province Bilecik (N.W.Turkey) are given with the collecting data and ecological informations obtained in the field.

In the previous paper, the author listed 34 diurnal species in the Province Bilecik in a single collecting day (Koçak, 1990). This time totally 38 species of diurnal Lepidoptera, collected by the author on July 27th, 1991 are listed below.

The localities studied are briefly described below:

Loc.1. Roadside with numerous *Onopordon* and *Descurainia sophia* plants in the west of Bozüyük, 900m.

Loc.2. Along the dry stream bed in the oakwoods on the calcareous rocky hills. West of Mahmutlu (Bozüyük distr.), 840m.

Loc.3. In the Mezit valley near the 10th bridge, 700m (same place mentioned as the loc. 3 in the previous paper (Koçak, 1990)).

The specimens are preserved in the collection of CES.

LIST OF THE SPECIES

LYMANTRIIDAE

Lymantria dispar (Linnaeus, 1758)

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991.
Numerous specimens were observed in the oakwoods. New to Bilecik fauna !

PAPILIONIDAE

Papilio machaon Linnaeus, 1758

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991.
Several specimens were observed in the dry stream bed. New to Bilecik fauna !

Iphiclides podalirius (Linnaeus, 1758)

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991.
(observed); Mezit valley 10th bridge 700m, 27.07.1991 1 ♀ (A. Koçak).

PIERIDAE

Leptidea duponcheli (Staudinger, 1871)

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991
1♂ (A. Koçak).

Leptidea sinapis (Linnaeus, 1758)

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.
1991, observed in the shadows of deciduous woods flying with *K. roxelana* and *P. aegeria*.

Pieris rapae (Linnaeus, 1758)

Bilecik Prov.: Bozüyük, 900m 27.07.1991 2♂♂ 3♀♀ on the
flowers of *Descurainia sophia*; Bozüyük: E. of Mahmutlu 840m, 27.
07.1991 1 ♀ (A. Koçak).

Pieris manni (Mayer, 1851)

Bilecik Prov.: Bozüyük, 900m 27.07.1991 1 ♂; Bilecik
Prov.: Mezit valley 10th bridge 700m, 27.07.1991 1♀ (A. Koçak).
New to Bilecik fauna !

Pieris pseudorapae Verity, 1903

Bilecik Prov.: Bozüyük, 900m 27.07.1991 1 ♂; Bilecik
Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1♀ (A. Koçak).

Pontia daplidice (Linnaeus, 1758)

Bilecik Prov.: Bozüyük, 900m 27.07.1991 1 ♀; Bilecik
Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ (A. Koçak).

Colias croceus (Geoffroy, 1785)

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991
2 ♂♂ (A. Koçak).

Colias alfacariensis Berger, 1948

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991
observed. New to Bilecik fauna !

Gonepteryx rhamni (Linnaeus, 1758)

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991,
observed.

ARGYNNIDAE

Cynthia cardui (Linnaeus, 1758)

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.
1991, 1 ♂ (A. Koçak).

***Polygonia c-album* (Linnaeus, 1758)**

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991, 1 ♀ (A.Koçak).

***Azuritis reducta* (Staudinger, 1901)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 2 ♂♂ (A.Koçak).

***Argynnis paphia* (Linnaeus, 1758)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♀; Mezit valley 10th bridge 700m, 27.07.1991 observed around *Rubus* sp.

***Issoria lathonia* (Linnaeus, 1758)**

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991 1 ♂ (A.Koçak).

***Fabriciana adippe* ([Denis & Schiff.], 1775)**

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991 2 ♂♂ (A.Koçak). New to Bilecik fauna !

***Pandoriana pandora* ([Denis & Schiff.], 1775)**

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991 1 ♀ observed. New to Bilecik fauna !

***Melitaea fascelis* (Fabricius, 1787)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ 1 ♀ (A.Koçak).

***Melitaea phoebe* (Goetze, 1779)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ (A. Koçak). New to Bilecik fauna !

SATYRIDAE***Melanargia galathea* (Linnaeus, 1758)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♀; Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991 1 ♂ (A. Koçak).

***Melanargia larissa* (Geyer, [1828])**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991, observed in the openings of the oakwoods.

***Neobipparchia fatua* (Freyer, 1844)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ (A.Koçak). New to Bilecik fauna !

***Chazara briseis* (Linnaeus, 1764)**

Bilecik Prov.: Bozüyük, 900m 27. 07. 1991 1 ♂ 2 ♀♀ on the flowers of *Onopordon* sp.; Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂; Mezit valley 10th bridge 700m, 27.07.1991 1 ♂ (A.Koçak), rare on the bare grounds near the woods. New to Bilecik fauna !

***Pseudochazara anthelea* (Hübner, [1824])**

Bilecik Prov.: Bozüyük, 900m 27.07.1991 1 ♀ on the flowers of *Onopordon* sp.; Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ 1 ♀ (A. Koçak). New to Bilecik fauna !

***Hypaonphele lycaea* (Kühn, 1774)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ (A. Koçak). New to Bilecik fauna !

***Mauiola jurtina* (Linnaeus, 1758)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♀; Mezit valley 10th bridge 700m, 27.07.1991 1 ♀ (A. Koçak).

***Coenonympha pamphilus* (Linnaeus, 1758)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♀ in the openings of the oakwoods. New to Bilecik fauna !

***Pararge aegeria* (Linnaeus, 1758)**

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991 2 ♂♂ (A. Koçak), in the very deep shadow of the woods flying with *K. roxelana* and *L. sinapis*. New to Bilecik fauna !

***Kirilia roxelana* (Cramer, [1777])**

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991 2 ♂♂ (A. Koçak), like the previous species. New to Bilecik fauna !

LYCAENIDAE***Suhlysandra cornelia* (Gerhard, [1851])**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ (A. Koçak), on the bare ground in the dry stream bed. New to Bilecik fauna !

***Polyommatus icarus* (Rottemburg, 1775)**

Bilecik Prov.: Bozüyük, 900m 27.07.1991 1 ♂; Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂ 2 ♀♀; Mezit valley 10th bridge 700m, 27.07.1991 1 ♀ (A. Koçak).

HESPERIIDAE***Erynnis tages* (Linnaeus, 1758)**

Bilecik Prov.: Bozüyük: E. of Mahmutlu 840m, 27.07.1991 1 ♂; Mezit valley 10th bridge 700m, 27.07.1991 1 ♂ (A. Koçak). New to Bilecik fauna !

***Thymelicus sylvestris* (Poda, 1761)**

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.1991 1 ♂ (A. Koçak).

GEOMETRIDAE*Ennomos quercinaria* (Hufnagel, 1767)

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.
 1991 1 ♂ (A.Koçak), sciophil-heliophil. New to Bilecik fauna !

ARCTIIDAE*Euplagia quadripunctaria* (Poda, 1761)

Bilecik Prov.: Bozüyük:E.of Mahmutlu 840m, 27.07.1991
 1 ♀ (A. Koçak), flying among the oaks by day. New to Bilecik
 fauna !

NOCTUIDAE*Euclidia glyphica* (Linnaeus, 1758)

Bilecik Prov.: Mezit valley 10th bridge 700m, 27.07.
 1991 1 ♀ (A. Koçak). New to Bilecik fauna !

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